CONTENTS OF VOLUME 53

SURVEY PAPERS

BLOK, W. J. and PIGOZZI, DON. Alfred Tarski's work on general metamathematics 36

DONER, JOHN and HODGES, WILFRID. Alfred Tarski and decidable theories 20

ETCHEMENDY, JOHN. Tarski on truth and logical consequence 51

FEFERMAN, SOLOMON. Hilbert's program relativized: Proof-theoretical and foundational reductions 364

HODGES, WILFRID. See DONER, JOHN

LEVY, AZRIEL. Alfred Tarski's work in set theory 2

PIGOZZI, DON. See BLOK, W. J.

SIEG, WILFRIED. Hilbert's program sixty years later 338

SIMPSON, STEPHEN G. Partial realizations of Hilbert's program 349

SUPPES, PATRICK. Philosophical implications of Tarski's work 80

VAN DEN DRIES, LOU. Alfred Tarski's elimination theory for real closed fields 7

RESEARCH PAPERS

AMBOS-SPIES, KLAUS and FEJER, PETER. Degree theoretical splitting properties of recursively enumerable sets 1110

ANDRÉKA, H., CRAIG, W. and NÉMETI, I. A system of logic for partial functions under existence-dependent Kleene equality 834

BAILIN, SIDNEY C. A normalization theorem for set theory 673

BARBACK, JOSEPH. On infinite series of infinite isols 443

BECKER, HOWARD. A characterization of jump operators 708

BELLISSIMA, FABIO. Finite and finitely separable intermediate propositional logics 403

BERARDI, STEFANO. Equalization of finite flowers 105

BIRÓ, B. and SHELAH, S. Isomorphic but not lower base-isomorphic cylindric set algebras 846

BOUSCAREN, ELISABETH and POIZAT, BRUNO. Des belles paires aux beaux uples 434

BUECHLER, STEVEN. The classification of small weakly minimal sets. II ... 625

———. The classification of small weakly minimal sets. III: Modules 975

BURGESS, JOHN P. Addendum to "The truth is never simple" 390

COPESTAKE, KATE. 1-genericity in the enumeration degrees 878

CRAIG, W. See ANDRÉKA, H.

DELON, FRANÇOISE. Extensions séparées et immédiates des corps valués .. 421

——— and ROUANI, YAMINA. Indécidabilité de corps de séries formelles 1227

DICKMANN, M. A. The model theory of chain-closed fields 921

DIMITRACOPOULOS, C. See KAYE, R.

DOŠEN, KOSTA and SCHROEDER-HEISTER, PETER. Uniqueness, definability and interpolation 554

FEJER, PETER. See AMBOS-SPIES, KLAUS
FLUM, JÖRG and MARTINEZ, JUAN CARLOS. On topological spaces equivalent to ordinals 785
FREILING, CHRIS and PAYNE, T. H. Some properties of large filters 1027
FRENCH, JAMES D. The false assumption underlying Berry's paradox 1220
GROPP, URSULA. Coinductive formulas and a many-sorted interpolation theorem 937
GROSSBERG, RAMI. A downward Löwenheim-Skolem theorem for infinitary theories which have the unsuperstability property 231
GUREVIČ, R. On ultracoproducts of compact Hausdorff spaces 294
HARAN, DAN. Quantifier elimination in separably closed fields of finite imperfectness degree 463
HODES, HAROLD. Cardinalty logics. Part II: Definability in languages based on 'exactly' 765
HODKINSON, I. M. and MACPHERSON, H. D. Relational structures determined by their finite induced substructures 222
HOWARD, MARK. A proofless proof of the Barwise compactness theorem... 597
IDZIAK, KATARZYNA and IDZIAK, PAWEL M. Decidability problem for finite Heyting algebras 727
IDZIAK, PAWEL M. See IDZIAK, KATARZYNA
IHODA, JAIME I. Strong measure zero sets and rapid filters 393
———. Σ^1_2-sets of reals 636
——— and SHELAH, SAHARON. Souslin forcing 1188
JOHNSON, C. A. Seminormal λ-generated ideals on $P_\kappa\lambda$ 92
KASTANAS, ILIAS G. Initial segments of Δ^1_{2n+1}-degrees..... 259
KAYE, R., PARIS, J. and DIMITRACOPOULOS, C. On parameter free induction schemes 1082
KOMJÁTH, PÉTER and SHELAH, SAHARON. Forcing constructions for uncountably chromatic graphs 696
KUCERA, T.G. Generalizations of Deissler's minimality rank 269
———. Positive Deissler rank and the complexity of injective modules 284
KUNEN, KENNETH. Where MA first fails 429
KUTYŁOWSKI, MIROSŁAW. Finite automata, real time processes and counting problems in bounded arithmetic 243
LASKOWSKI, MICHAEL CHRIS. Uncountable theories that are categorical in a higher power 512
LEGRAND, REMI. A basis result in combinatory logic 1224
LEMPP, STEFFEN. A high strongly noncappable degree..... 174
LÓPEZ-ESCOBAR, E. G. K. Circumscription within monotonic inferences. 888
LUBARSKY, ROBERT S. Correction to "Simple r.e. degree structures" 103
———. Definability and initial segments of c-degrees..... 1070
MAASS, WOLFGANG. On the use of inaccessible numbers and order indiscernibles in lower bound arguments for random access machines..... 1098
MACCAULL, W. A. On the validity of Hilbert's Nullstellensatz, Artin's theorem, and related results in Grothendieck toposes 1177
MACPHERSON, H. D. See HODKINSON, I. M.

MADDY, PENELOPE. Believing the axioms. I 481
———. Believing the axioms. II 736
MARTIN, GARY A. Definability in reducts of algebraically closed fields 188
MARTINEZ, JUAN CARLOS. See FLUM, JÖRG
MATET, PIERRE. Some filters of partitions 540
MATSUBARA, YO. Splitting $P_\kappa\lambda$ into stationary subsets 385
MAYER, LAURA L. Vaught's conjecture for o-minimal theories 146
MCCARTY, CHARLES. Constructive validity is nonarithmetic 1036
MCCARTY, CHARLES. Markov's principle, isols and Dedekind finite sets ... 1042
MOSES, M. Decidable discrete linear orders 531
MYTILINAIOS, MICHAEL E. and SLAMAN, THEODORE A. Σ_2-collection and the infinite injury priority method 212
NÉMETI, I. See ANDRÉKA, H.
OKADA, MITSUHIRO. On a theory of weak implications 200
OSHERSON, DANIEL N., STOB, MICHAEL and WEINSTEIN, SCOTT. Mechanical learners pay a price for Bayesianism 1245
PARIS, J. B., WILKIE, A. J. and WOODS, A. R. Provability of the pigeonhole principle and the existence of infinitely many primes 1235
———. See KAYE, R.
PAYNE, T. H. See FREILING, CHRIS
PILLAY, ANAND. Sheaves of continuous definable functions 1165
POIZAT, BRUNO. Missionary mathematics 132
———. MM. Borel, Tits, Zil'ber et le Général Nonsense 124
———. See BOUSCAREN, ELISABETH
RESSAYRE, J. P. Formal languages defined by the underlying structure of their words 1009
RIEDEL, HERBERT H. J. Existentially closed algebras and Boolean products 571
ROUANI, YAMINA. See DELON, FRANÇOISE
SCHROEDER-HEISTER, PETER. See DOŠEN, KOSTA
SCOWCROFT, PHILIP. A note on definable Skolem functions 905
———. More on definable sets of p-adic numbers 912
——— and VAN DEN DRIES, LOU. On the structure of semialgebraic sets over p-adic fields 1138
SHELAH, SAHARON. See BIRÓ, B.
———. See IHODA, JAIME I.
———. See KOMJÁTH, PÉTER
SIMMONS, HAROLD. Large discrete parts of the E-tree 980
SIMPSON, STEPHEN G. Ordinal numbers and the Hilbert basis theorem ... 961
SLAMAN, THEODORE A. See MYTILINAIOS, MICHAEL E.
SMITH, JAN M. The independence of Peano's fourth axiom from Martin-Löf's type theory without universes 840
SPECTOR, MITCHELL. Ultrapowers without the axiom of choice 1208
STANLEY, M. C. Backwards Easton forcing and $0^\#$ 809
STOB, MICHAEL. See OSHERSON, DANIEL N.
STOLTENBERG-HANSEN, V. and TUCKER, J. V. Complete local rings as domains 603

TAKEUTI, GAISI. Boolean simple groups and Boolean simple rings 160
TSUBOI, AKITO. Strongly 2-dimensional theories 931
TUCKER, J. V. See STOLTENBERG-HANSEN, V.
VAN DEN DRIES, LOU. On the elementary theory of restricted elementary functions 796
———. See SCOWCROFT, PHILIP
WALKER, D. J. On the transversal hypothesis and the weak Kurepa hypothesis 854
WEINSTEIN, SCOTT. See OSHERSON, DANIEL N.
WILKIE, A. J. See PARIS, J. B.
WOODS, A. R. See PARIS, J. B.
YASUMOTO, MASAHIRO. Algebraic extensions in nonstandard models and Hilbert's irreducibility theorem 470
ZAKRZEWSKI, PIOTR. On universal semiregular invariant measures 1170

MEETINGS

Annual meeting of the Association for Symbolic Logic, New York City, December 1987 1287
Australasian Association for Logic, annual conference, Brisbane, 1987 1283
Logic and linguistics meeting, Stanford, 1987 1275
Meeting of the Association for Symbolic Logic, Auckland, 1986 330
Meeting of the Association for Symbolic Logic, New York City, May 1987 1270
Meeting of the Association for Symbolic Logic, San Antonio, 1987 1000

REVIEWS

Reviews 301
Reviews 643
Reviews 985
Reviews 1252

NOTICES

Notices 335
Notices 671
Notices 1007
Notices 1343

OFFICERS AND MEMBERS

List of officers and members of the Association for Symbolic Logic 1300

ABCDEFGHIJ — 898